

Author Index

- Albrecht, G., 239
 Alexandre, S., 95
 Ando, S., 47
 Arica, M.Y., 113
 Askendal, A., 265
- Barratt, G., 141, 203
 Basu, R., 29
 Baszkin, A., 239
 Berthelot, L., 239
 Bochu, W., 273
 Boskey, A.L., 131
 Bos, R., 213
 Boullanger, P., 239
 Broberg, M., 67, 123
 Buehner, N.A., 79
 Busscher, H.J., 213
- Chapot, A., 103
 Chattoraj, D.K., 1, 57
 Cheron, M., 141, 203
 Chierici, S., 239
 Combes, C., 15
 Costa, M.L., 239
- Damodaran, S., 231
 Denizli, A., 113
 De, S., 29
 Devissaguet, J.-P., 141, 203
 De Vleeschauwer, D., 321
 Dubreuil, N., 95
 Duc, T.-M., 95
 Dutta, P., 1
- Elaïssari, A., 103
 Ellen, R.P., 177
 Elwing, H., 177, 255
 Eriksson, C., 123
 Espuelas, M.S., 141, 203
 Esumi, K., 223
- Fortuna, R., 79
 Freche, M., 15
 Fredriksson, C., 255
 Fujiwara, A., 313
 Gastaldi, E., 281
 Grove, D.A., 177
 Harms, H., 33
 Hayashi, S., 301
 Høiland, H., 167
- Holmsen, H., 167
 Holmström, N., 265
- Ippolito, K.M.L., 79
 Irache, J.M., 141, 203
 Ishiguro, R., 153
 Ishikawa, T., 313
- Jianping, Z., 9
 Jie, X., 9
 Jingquan, Z., 9
 Jin, L.-P., 79
 Jiquan, Z., 9
 Jucker, B.A., 33
- Kaifeng, S., 273
 Kamaya, H., 87, 287
 Kamyshny, A., 249
 Kandori, K., 313
 Kaneshina, S., 87, 287
 Kasemo, B., 255
 Kawashima, N., 297
 Kurrat, R., 187
- Lair, D., 95
 Lefebvre-Cases, E., 281
 Legrand, P., 141, 203
 Lijin, J., 9
 Liu, L., 255
- MacDonald, D.E., 131
 Magdassi, S., 249
 Makino, K., 47
 Markovic, B., 131
 Marti, A., 187
 Matsuki, H., 87, 287
 Matsumoto, T., 153
 Maulik, S., 1, 57
 Morita, K.-i., 297
 Moulik, S.P., 1, 57
 Mukai, M., 313
- Nagashima, S., 47
 Naim, J.O., 79
 Nakayama, Y., 301
 Nandy, P., 29
 Nimeri, G., 255
 Nygren, H., 67, 123
- Ohshima, H., 47
- Osman, M., 167
- Perrin, A., 103
 Puisieux, F., 141, 203
- Ramsden, J.J., 187
 Renedo, M.J., 203
 Rey, C., 15
 Rodahl, M., 255
 Rosilio, V., 239
- Sakanishi, A., 273
 Şenel, S., 113
 Shimada, K., 287
 Somasundaran, P., 131
 Sommer, F., 95
 Song, M., 177
 Spencer, N.D., 187
- Takahashi, K., 301
 Takahashi, M., 301
 Takahashi, S., 153
 Takamatsu, M., 297
 Tarodo de la Fuente, B., 281
 Tengvall, P., 187, 265
 Terayama, H., 223
 Textor, M., 187
 Theretz, A., 103
 Tsukamoto, T., 47
- Ueda, I., 87, 287
 Ueno, M., 301
- Valleton, J.-M., 95
 Van der Meeren, P., 321
 van der Mei, H.C., 213
 van Oss, C.J., 79
- Wake, T., 223
 Wälivaara, B., 187
 Wikström, M., 177
- Yamada, E., 301
 Yamanaka, M., 87
 Yasukawa, A., 313
- Zehnder, A.J.B., 33
 Zhang, J.-W., 79
 Zhezhi, W., 273



Subject Index

- Acid–base interactions, 213
- Adhesion, 33
- Adhesion force, 273
- Adsorption, 131, 249
- Adsorption affinity, 313
- Adsorption of polymer, 223
- AFM, 103
- Amphotericin B, 141, 203
- Antibody adsorption, 103
- Antibody reactions, 187
- Anticoagulants, 123
- Aqueous suspension of drug, 223
- Artificial basement membrane, 273
- Attenuated total reflection, 153

- Bacteria, 33
- Behenic acid, 95
- Binding interaction, 1, 57
- Biomaterials, 67
- Block polymer micelles, 203
- Blood plasma, 187
- Blood serum, 187
- Bovine serum albumin, 313

- Ca²⁺, 167
- Calcium phosphate, 15
- CD62, 67, 123
- Cell adhesion, 255
- Charged local anesthetic, 287
- Chemiluminescence, 249
- Chlorophyll *a*, 9
- Cibacron Blue F3GA, 113
- Collagen IV, 273
- Comparison of techniques, 187
- Competitive adsorption, 203
- Conformation of adsorbed polymer, 223
- Contact angles, 213
- C-phycocyanin, 9
- Critical micelle concentration, 87
- CTAB, 1, 57
- Cultivation test, 297
- Cytokines, 79

- Desorption, 313
- Dibucaine hydrochloride, 87
- Dissolved oxygen, 297
- DNA, 1, 57

- Dye affinity membranes, 113

- Ellipsometry, 187
- Emulsion, 321
- Energy transfer, 9
- Enzyme regulation, 231
- Equilibrium study, 1

- Ferritin, 103
- Fibronectin, 131
- Fourier-transform infrared spectroscopy, 153

- Gel, 281
- Glucose oxidase, 95
- Gold, 265
- Gold particles, 103

- α -Helical synthetic peptide, 153
- Hepatocellular carcinoma, 273
- Human hepatocytes, 273
- Hydrogel microspheres, 47
- Hydrophobic forces, 141
- Hydrophobicity, 177

- IgG, 249
- Immunoassay, 249
- Immunology, 103
- Inflammation, 79
- Interfaces, 231

- Kinetic studies, 57

- Langmuir–Blodgett films, 95
- Lecithin–water system, 29
- Lectin–sugar interaction, 239
- Limonene, 301
- Lipid monolayers, 231
- Lipid polymorphism, 29
- Lipopolysaccharides, 33
- Liposome, 321
- Local anesthetic, 87
- Local anesthetic potency, 287
- Lysozyme, 313
- Lysozyme adsorption, 113

- Membrane emulsification technique, 47
- Membrane fusion, 153

- Metal chelates, 113
Mica, 95
Micellar casein dissociation, 281
Micelle, 87
Micelles, 141, 167
Microbial cell surface hydrophobicity, 213
Microemulsions, 249
Microparticles, 249
Micropipette technique, 273
Micropolarity, 167
Microscopic study, 29
Microviscosity, 167
Mixed monolayers, 239
Monocytes, 79
Monodisperse, 47

N-acetylglucosamine, 239
Nanospheres, 141, 203
Network model approach, 103
Neutrophils, 255
N,N-dimethyldodecylamine oxide, 301
Nucleation, 15

Optical sensor, 187
Oxygen sensor, 265

Particle size, 321
Perfluorocarbon, 321
pH, 167
Phosphate uptake, 15
Plasma proteins, 265
Platelet, 67
Platelets, 123
Polar adhesion, 177
Poloxamer, 141
Poly(acrylamide-co-acrylic acid) hydrogel, 47
Polyaniline, 297
Poly(ϵ -caprolactone), 141
Poly(HEMA), 113
Polymer interactions, 33
Polymerization in small systems, 47
Poly(propylene oxide) region, 203
Pre-adsorption, 313
Protein adsorption, 67, 187
Protein conditioning, 177

Proteins, 1, 79
Pyrolytic carbon, 265

Quartz Crystal Microbalance technique, 255

Reverse micelles, 9

Scanning force microscopy, 95
SDS, 1, 281
Silicones, 79
Size dependence of microsphere structure, 47
Sodium dodecyl sulfate, 301
Spectroscopy, 141
Spin-labeled polymer, 223
Sterilizing, 297
Stratum corneum, 301
Superoxide, 297
Surface activity, 287
Surface-adsorbed film, 87
Surface characterization, 15
Surface potential, 265
Surface pressure measurements, 239
Surface tension, 87, 287
Surfactin, 167
Synthetic calcium hydroxyapatites, 313

Temperature, 167
 α -Terpineol, 301
Titanium, 15, 187
Titanium dioxide, 131
Treponema, 177
Triton X-100, 9

Uncharged local anesthetic, 287

Viability, 177
von Willebrand factor, 123
V. Willebrand Factor, 67

Water activity, 231
Wettability, 177
Wheat germ agglutinin, 239
Whole blood, 123

Zeta potential, 131, 203

